

March 17, 2000

BOEING Realty Corporation 4060 Lakewood Blvd. 6th Floor Long Beach, CA 90808-1700

Project:

Torrance Harbor Gateway 1540-1580 Francisco Street

Torrance, CA

Law/Crandall Project 70347-0-0001

Dear Mr. Stavale:

Law/Crandall has performed the <u>inspection services</u> for reinforced concrete at the above referenced project. Copies of the daily field reports of the required inspections performed on March 1, 2 and 3, 2000 are attached for your review.

Edward A. Salazar Project Engineer

Respectfully submitted,

LAW/CRANDALL

A DIVISION OF LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

David Wilson, P.E..

Senior Engineer

Fran

I:\Inspection Reports\70347\00001in3.doc

Satricia Wyrn

Attachments

Distribution:

BOEING

Attn: Mr. Johnny Marasco

A Division of Law Engineering and Environmental Services, Inc. 731 East Ball Road, Suite 104
Anaheim, CA 92805-5145
714-776-9544 • Fax 714-776-9541

LAW / CRANDALL

200 CITADEL DRIVE • LOS ANGELES, CA 90040 (213) 889-5300 • FAX (213) 721-6700

| JOB . 703 | 47-0 | -000 | 1 |
|--------------|------|------|---|
| TODAY'S DATE | | | |

| DAIL | Y FIEL | D REP | PORT | * | O CONSECUTIVE REPORT NO. | t | 2 FOR WEE | ;K | 3/= | 100 |
|-----------|-----------------|---------------------------------------|--------------------------------|-------------|--------------------------|---------------------------------------|-----------------|---------------------------------------|-------------------|---------|
| | | RFORM SPEC | | REINF | ORCED CONCRETE | STRUCT. STE | EL ASSEMBLY | ☐ SPRAY | -APPLIED FIREPROO | OFING 3 |
| | A AT THE CAT | EGONT ONEO | NED. | PRE-S | TRESSED CONCRETE | DEEP FOUND | ATION | | | |
| | | | | ☐ REINF | ORCED MASONRY | OTHER | | | | |
| OB ADDRES | | | | | | BUILDING PERMIT | | (10) PLAN F | ILE NUMBER | · @ |
| 154 | 0-15 | <u> 80 f</u> | RANCI | 15C0 S | ST, TORRAN | £ 99020 - | -40000-C | 3198 | | |
| WNER OR | PROJECT NAI | ie Pri | oto 11 f | ENCE | WALL | APPLICATION NUM | | | | Œ |
| | | | | YAM | CENTER | | | | | |
| | AT'L. (TYPE, G | | 6 DESIGN | н (| SOURCE OF MFGR. | ARCHITECT | | | | æ |
| | 1 A615 | | GRADE & MFGR | | _ L | | | · · · · · · · · · · · · · · · · · · · | | |
| ESCHIBE M | IAI L. (MIA DE | SIGN, RE-BAR | GRADE & MFGH. | , WELD-ROD, | ETC.) | 9 ENGINEER | E BAN | (C) | h C | Œ |
| | | | | | | GENERAL CONTRA | | VY | 113 | |
| | | | | | | | EY CON | 19781 | CTION | @ |
| | | | | | | CONTR. DOING RE | | 10 11 <u>10</u> | FREA | AR @ |
| | | | - | | | BEN | E.SM | 1774 IN | CKNIN | BRINE |
| ISPEC: ① | ARRIVAL (B) | DETAILED | LOCATION OF | WORK INSPE | CTED, TEST SAMPLES TA | KEN WORK BEJECTED J | | | | (19 |
| ATE | TIME. DEPARTURE | REPORT OF WORK | | | | | | | | • |
| -1 / | TIME | INSPECTED | | | | | | | | |
| 3/1/00 | 7am | | INSPECT | EP F | EINFORGE | MENT P | PLIYERE | DE | GRADE | BEAM |
| '/ | 330p | /A | SEG 1 | | RUCTED # | | = | - | | 1_91 |
| | 75-77 | 240 | | | , | | | | | 1-11. |
| | | PER | DETAI | 19 5 | KLESK | (2 ,12"h | NDEX | 18" D | LP CONC | RETE |
| | | GR | ADER | EAM | W/2-# | \$6 CONT. | A. #: | 3 6 600 | KD STIF | RIPS |
| | | @3 | 4 00 0 | <u> </u> | 1 | | | | | |
| | <u> </u> | 100 | 5 0.C. | AU. | HOOK LOC | MOITA | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | <u> </u> | | | | | | |
| | | | | | | | | | | |
| | | | | | • | | | | | |
| | | | | | | | | | | |
| | | | · <u></u> | | | · · · · · · · · · · · · · · · · · · · | | | | |
| | | | | | | | | | | |
| | | | | | | | | - | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | • | | | | • | | | |
| | | · · · · · · · · · · · · · · · · · · · | | | - | | | | | |
| | | | | | <u></u> | | | | | |
| | | | , | | | | | | | |
| | | | ٠, | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | · | | | | | | |
| | | | | | | | | | | |
| • | * | | | | | | | | | |
| · | | | | | | | | | | |
| | | | T OUR KNOWLED | | INSPECTOR/TE | CHNICIAN DWIGH | H FITZ | JOHU | | |
| | | | PPROVED PLANS / WORKMANSHIP | ND | SIGNATURE | 70 | | | | |
| | | RM BUILDING | | | DATE SIGNED | 311100 FEG | ISTRATION NO. B | C X99 | 3849 | |
| | | | | | REVIEWED BY_ | <u> </u> | muse | M | | |
| | | · | | <u> </u> | | | - | | | |

LAW / CRANDALL

200 CITADEL DRIVE • LOS ANGELES, CA 90040 (213) 889-5300 • FAX (213) 721-6700

JOB # 70347-0-000 / TODAY'S DATE 3/2/00

| DAILY FIELD REPORT | O REPORT NO. | 2 ② ENDING | ` 3/ \$ - / | 00 |
|---|------------------------------------|--|----------------------------|------------|
| I AM AUTHORIZED TO PERFORM SPECIAL INSPECTION IN THE CATEGORY CHECKED. | AEINFORCED CONCRETE | STRUCT, STEEL ASSEMBLY | SPRAY-APPLIED FIREPROOFING | G ③ |
| | PRE-STRESSED CONCRETE | DEEP FOUNDATION | | |
| | A REINFORCED MASONRY | OTHER | | |
| JOB ADDRESS | | BUILDING PERMIT NUMBER | 10 PLAN FILE NUMBER | • 🛈 |
| 1540-1580 FRANCIS | CO ST. TORRANCE | | 13198 | |
| OWNER OR PROJECT NAME PROTO II FE | NA! | APPLICATION NUMBER | | @ |
| CONSTR. MAT'L. (TYPE, GRADE, ETC.) DESIGN | | ARCHITECT | | |
| ASTM AGIS GR 60 STRENGTH | OF MFGR. | anomico. | | 13 |
| DESCRIBE MAT'L. (MIX DESIGN, RE-BAR GRADE & MFGR., | WELD-ROD, ETC.) | ENGINEER | | (4) |
| | | JAKE BAN | LIDER VIS | ۳ |
| | | GENERAL CONTRACTOR | | (5) |
| | | BATLEY CON | ISTRUCTION | |
| | | | | (1) |
| | | BEN'E SMITH | INC/ENGINEER | ING |
| INSPEC TION TIME DETAILED LOCATION OF V | VORK INSPECTED. TEST SAMPLES TAKEN | , WORK REJECTED, JOB PROBLEMS, PRO | OGRESS, HEMARKS, ETC. | 19 |
| TION TIME DEPARTURE OF WORK INSPECTED | | | | ĺ |
| 3/2/00 7am INSPECTE | O REINFORCEM | tent the color | EKAN WARR | |
| | | | | <u> </u> |
| | TED & INSTALL | | | ` |
| SIGMU RET | ZINING WALL | DOWELS & PROT | TO IT 6" WALL | 1 |
| | LUED PER DETA | | | |
| · · · · · · · · · · · · · · · · · · · | | | 3K2 | |
| | I ROD FOR E | | | |
| ES'CMU | RETAINING # S | C 48'0.C. C | OUTSIDE FACE | |
| | 19 FACE 5'- | | | |
| 24" o.c. | | L | 5.6. | |
| CONTROL | JOINTS @ 36 | OCE MA | LL HEIGHT CH | nget |
| PER DETAI | | T1 12000 | | |
| PROTO IT P | OD & 2 #5, | 4" O C BOTH | SIDES RETAIN | 51NG |
| WALK. | | | | |
| INSPECT | ED CONCRETE | PLACED & ME | CHANICALLY | |
| · · · · · · · · · · · · · · · · · · · | SEDE GRAD | | | |
| i j | =3 CYLINDERS | | | PCI |
| | | | , | 1116 |
| A AKEN FO | R ZOYDS PLACE | ED BY WESTSI | DE CONC.CO. | INC |
| | | · | | |
| | | | | |
| | | | | |
| | | | · | |
| ' | | | | |
| | | · · · · · · · · · · · · · · · · · · · | | |
| | | سادهن و درو و | | |
| UNLESS OTHERWISE NOTED, TO THE BEST OUR KNOWLEDGE | E, THE INSPECTOR/TECHN | IICIAN DWIGHT FIT | WUTT | ® |
| OBSERVED WORK CONFORMS TO THE APPROVED PLANS AN SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP | SIGNATURE | The same of the sa | | |
| PROVISIONS OF THE UNIFORM BUILDING CODE. | DATE SIGNED 2 | 7 O REGISTRATION NO. | RC R99-3849 | |
| | REVIEWED BY 2 | homes | | |
| | | | | |

LAW / CRANDALL

200 CITADEL DRIVE • LOS ANGELES, CA 90040 (213) 889-5300 • FAX (213) 721-6700

| JOB . 20347-C | 2-6 | 200 | / | ٠ |
|-------------------|-----|-----|---|---|
| TODAY'S DATE | | | | |
| TODAY OF THE MALE | | | | |

| DAILY FI | IELD REPORT | O CONSECUTIVE REPORT NO. | 3 @ FOR WE | * 3 / 3 / | 60 |
|-------------------|--|---------------------------------|-------------------------------------|----------------------------|------------|
| | TO PERFORM SPECIAL | TREINFORCED CONCRETE | STRUCT, STEEL ASSEMBLY | SPRAY-APPLIED FIREPROOFING | 0 |
| INSPECTION IN THE | E CATEGORY CHECKED. | PRE-STRESSED CONCRETE | DEEP FOUNDATION | | ŀ |
| | | REINFORCED MASONRY | П отнея | | |
| JOB ADDRESS | | | BUILDING PERMIT NUMBER | 10 PLAN FILE NUMBER | (II) |
| 1540-15 | 80 FRANCISCO. | ST, TORRENCE | 99020-40000- | 0319B | |
| OWNER OR PROJEC | THAME PROTO IT | NCE WALL | 3 APPLICATION NUMBER | | œ |
| CONSTR. MATL (T) | HARBOR GATEWAY | G SOURCE | ARCHITECT | | |
| | 615 GR 60 STRENGTH | OF MEGR. | (6) ARCHITECT | | 13 |
| | MIX DESIGN, RE-BAR GRADE & MFGR., I | WELD-ROD, ETC.) | (9) ENGINEER | | <u> </u> |
| | <u> </u> | | JAKE BAND | er VIS | |
| | · · · | | GENERAL CONTRACTOR | | (9) |
| | | | BAYLEY CONS | AKUCTION | |
| | • | | BENE SMITH | INC/ENGINEERIN | (6) |
| | | | | | |
| | ✓ I REPORT | YORK INSPECTED, TEST SAMPLES TA | KEN, WORK REJECTED, JOS PROBLEMS. F | PROGRESS, REMARKS, ETC. | (19) |
| TIME | ATURE OF WORK INSPECTED | | | | |
| 3/3/00 Ta | IM INSPECTED | REINFORCEM | ENT FOR GRAD | E BEAM CAGES | ء ا |
| 2. | | | ED FROM PI | | |
| | ' L | | | | |
| <u> </u> | INSPECTED |) concrete p | laced a mecha | THICALLY CONSO | |
| | DATED EC | PRADE BEAM | FROM PILEH | 59-73 | |
| | ISET OF | 3 CYLINDER | SOFMIXA | 4MRB20, 2500 | 129 |
| | | | O. INC. TAKEN | | ED |
| | | | | | |
| | | | | | |
| <u> </u> | | | | | |
| | | • | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | - | |
| | | | | | |
| | | | | | |
| ļ | | P A1 | | | |
| | | | | | |
| | | | | | l |
| - | | | | | |
| | | | | | |
| | | | | · . | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | 8 |
| | E NOTED, TO THE BEST OUR KNOWLEDG CONFORMS TO THE APPROVED PLANS AN | | ECHNICIAN DWIGHT FIT | SOHIV | 一 " |
| | ND THE APPLICABLE WORKMANSHIP | SIGNATURE | | 24 200 25 4 0 | |
| PROVISIONS OF THE | E UNIFORM BUILDING CODE. | DATE SIGNED | 3 / 3 / DD REGISTRATION NO. | 1 | / |
| | | REVIEWED BY | much | | |
| | | | | | |